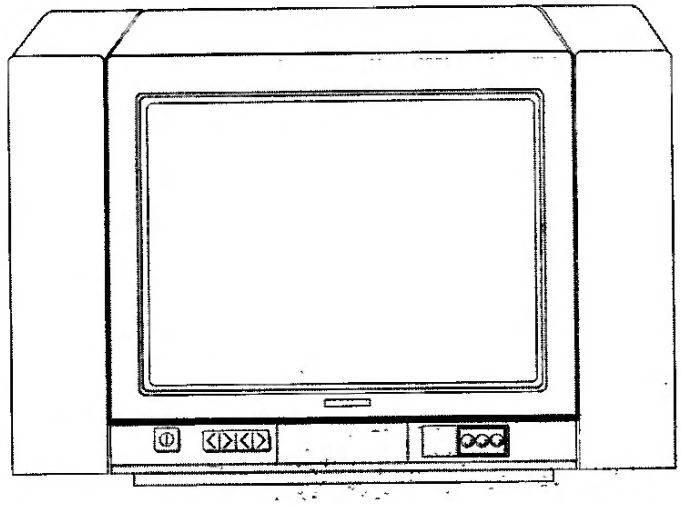
PHILIPS



21GR2651 21GR2751 21GR2757
25GR5660 25GR5760 25GR5768
28GR5670 28GR5770 28GR5777

COLOUR TELEVISION
FARBFERNSEHER
TÉLÉVISEUR COULEUR
KLEURENTELEVISIE
TELEVISIORE A COLORI
TELEVISOR EN COLOR
TELEVISÃO A CORES
FARVEFJERNSYN
FARGE-TV
FÄRG-TV
VÄRITELEVISIO
ΕΓΧΡΩΜΗ ΤΗΛΕΟΡΑΣΗ

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Write in pencil your TV station (or device) selections here:

No.	TV station/device
0	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	

No.	TV station/device
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	
37	
38	
39	

No.	TV station/device
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	

Table of TV system frequencies

VHF BAND 1

Channel	Frequency (MHz)
A	45.75
E2	48.25
B	53.75
E3	55.25
2	55.75
3	60.50
C	61.75
E4	62.25
4	63.75

VHF BANDE III

Channel	Frequency (MHz)
S1	105.25
S2	112.25
B	116.75
S3	118.25
S4	126.25
C	128.75
S5	133.25
S6	140.25
D	140.75
S7	147.25
E	152.75
S8	154.25
S9	161.25
F	164.75
S10	168.25
D	175.25
E5	175.25
5	176.00
G	176.75
E6	182.25.
E	183.25
6	184.00
H	188.75
E7	189.25
F	191.25
7	192.00

VHF BAND III

Channel	Frequency (MHz)
E8	196.25
G	199.25
8	200.00
I	200.75
G	201.25
E9	203.25
H	207.25
9	208.00
E10	210.25
J	212.75
I	215.25
10	216.25
E11	217.25
J	223.25
E1A2	224.25
K	224.75
S11	231.25
L	236.75
S12	238.25
S13	245.25
M	248.25
S14	252.25
S15	259.25
N	260.75
S16	266.25
0	272.75
S17	273.25
S18	280.25
P	284.75
S19	287.25
S20	294.25
Q	296.75

UHF BAND

Channel	Frequency (MHz)
21	471,25
22	479.25
23	487.25
24	495.25
25	503.25
26	511.25
27	519.25

UHF BAND

Channel	Frequency (MHz)
28	527.25
29	535.25
30	543.25
31	551.25
32	559.25
33	567.25
34	575.25
35	583.25
36	591.25
37	599.25
38	607.25
39	615.25
40	623.25
41	631.25
42	639.25
43	647.25
44	655.25
45	663.25
46	671.25
47	679.25
48	687.25
49	695.25
50	703.25
51	711.25
52	719.25
53	727.25
54	735.25
55	743.25
56	751.25
57	759.25
58	767.25
59	775.25
60	783.25
61	791.25
82	799.25
63	807.25
64	815.25
65	823.25
66	831.25
67	839.25
68	847.25
69	855.25

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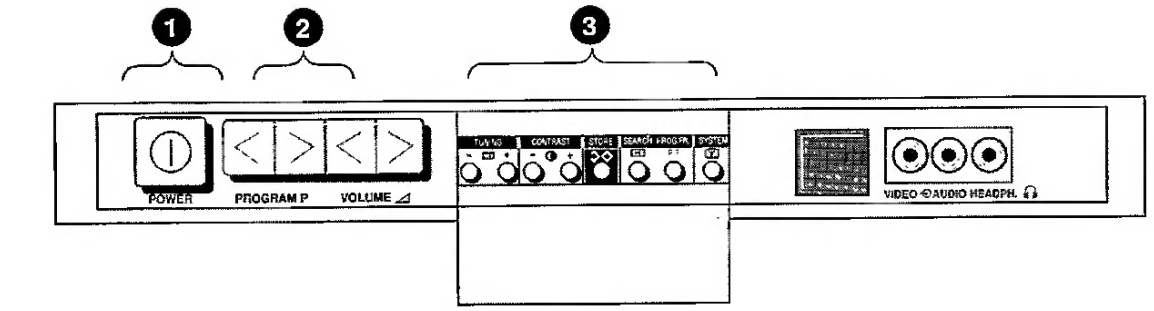

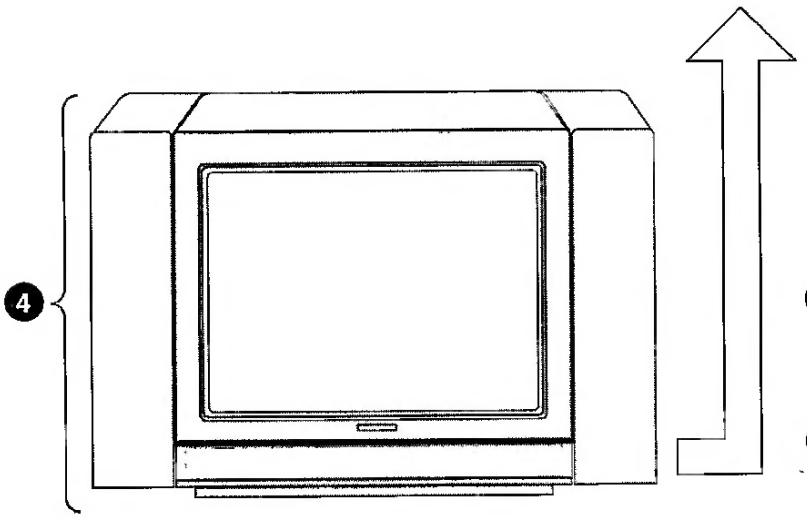

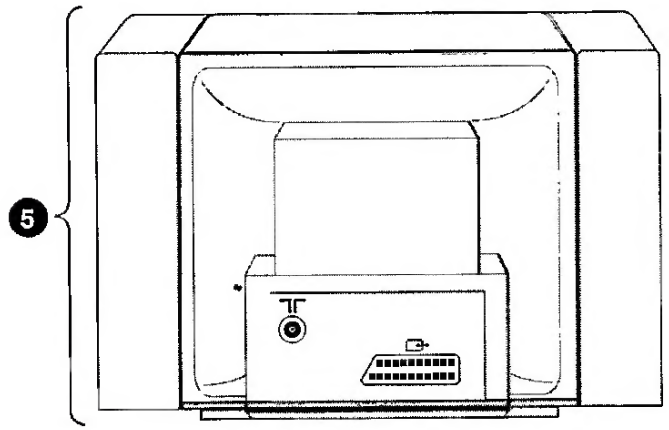

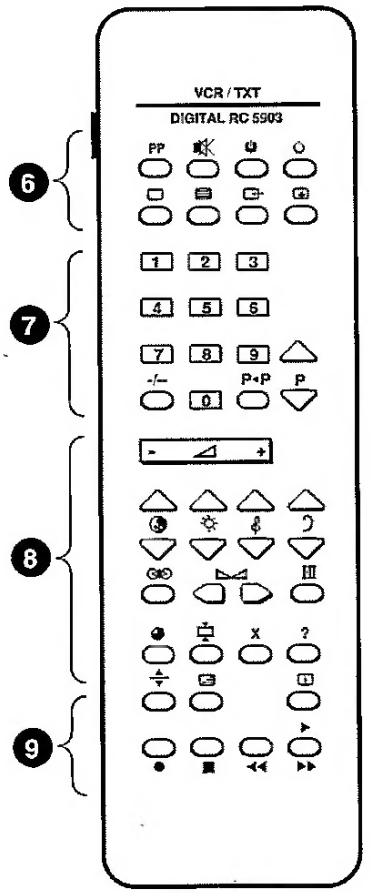

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Installing and adjusting the TV

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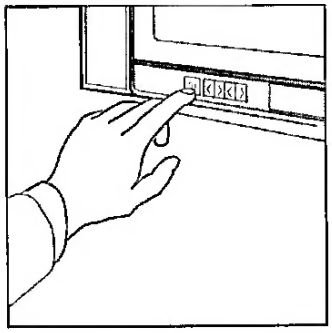
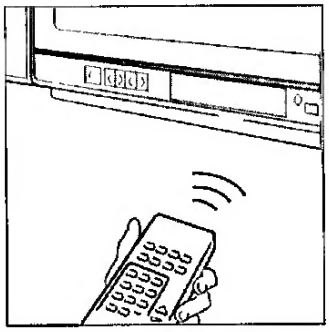


introduction
to install the TV
to connect the TV
to switch the TV on and off
to insert batteries in the remote control handset

to select the system (P/S, PAL-I, SECAM)
to store TV stations on program numbers

Operating the TV

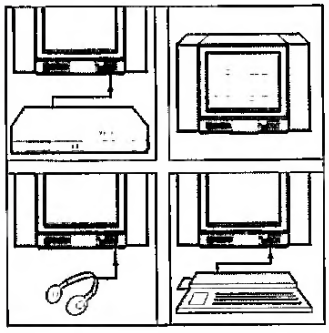
Page 4



to select TV stations using program numbers
to change the picture and sound settings
to select protected switch-on mode
to select stand-by mode
to select the sound system (STEREO, DUAL, SPATIAL)
to display picture and sound information

Additional features

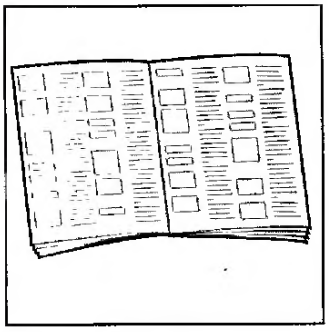
Page 7



to operate Teletext
to connect a video recorder
to connect other devices
to connect headphones

General information

Page 10



to store TV stations directly
to fina tune the picture quality
to change the personal preference values
to clean the TV screen
fault indication
technical specification
table of TV system frequencies (see inside cover)

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Information for users in the UK

(Not applicable outside the UK)

Service for you

Your colour television has been designed and manufactured to the highest standards, and subject to rigorous testing. Provided it is properly operated and maintained, it will perform well for many years. However, we all know that in such complex equipment components can sometimes fail.
The legal responsibility for meeting any in-guarantee service needs for your receiver rests with the dealer from whom you bought it. Our own Service Division - Philips Service - provides your dealer with comprehensive technical advise, and distributes approved spare parts from Service Centres throughout the country. If your dealer has no service facilities, he can arrange for any work to be carried out by a competent third party organisation.
In any event, you may expect speedy attention to restore your set to full working order without delay.

Free Service For 2 Years
The dealer from whom the receiver was purchased will arrange for any defect in manufacture or material to be rectified without charge for a period of 2 years from the date of initial consumer sale provided:

- reasonable evidence is supplied that the set was purchased within 2 years prior to the date of claim
- the defect is not due to use of the set on an incorrect voltage or contrary to the Company's Operating Instructions or to accidental damage (whether in transit or otherwise); misuse; neglect; unauthorised or inexpert modification or repair.

The picture tube guarantee is administered by Philips Components Limited. In addition to the customary 2 year free tube guarantee, Philips Components will consider extending the guarantee period, please see the separate card enclosed for details.

Service After 2 Years:
Continuing service after 2 years is available in the same way but the service will be chargeable.

These statements do not effect your statutory rights as a consumer.

If you have any question which your dealer cannot answer, please write to:

C.E. Consumer Relations Department
P.O. Box 298
420 London Road
Croydon CR9 3QR

All enquiries and claims can be handled more efficiently if accompanied by the Identity Card printed on the back cover of this booklet - this is provided for your reference and should be kept in a safe place.

Positioning the TV

For the best results, choose a position where light does not fall directly on the screen, and at some distance away from radiators or other sources of heat. Leave a space of at least 3 cm all around the TV for ventilation, making sure that curtains, cupboards etc. cannot obstruct the air flow through the ventilation apertures.
The TV is intended for use in a domestic environment only and should never be operated or stored in excessively hot or humid atmospheres.

Mains connection

Before connecting the TV to the mains, check that the mains supply voltage corresponds to the voltage printed on the type plate on the rear panel of the TV. If the mains voltage is different, consult your dealer.

Important
The wires in the mains lead are coloured according to the following code
BLUE = NEUTRAL
BROWN = LIVE
If the mains plug (or adaptor) contains a fuse, the value of this fuse should be 3 Amp. Alternatively, if another type of plug (not fused), is used, the fuse at the distribution board should not be greater then 5 Amp.
If the colours of the wires in the mains lead do not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The BLUE wire must be connected to the terminal marked 'N' or coloured black.
The BROWN wire must be connected to the terminal marked 'L' or coloured red. Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead - not only over the two wires.

Connecting the aerial

The aerial should be connected to the socket marked "Ψ" at the back of the set. An inferior aerial is likely to result in a poor, perhaps unstable picture with ghost images and lack of contrast. Meke-shift loft or set-top aerials are often inadequate. Your dealer will know from experience the most suitable type for your locality.
Should you wish to use the set in conjunction with other equipment, which connects to the aerial socket such as TV games, or a video camera it is recommended that these be connected via a combiner unit to avoid repeated connection and disconnection of the aerial plug.

General Points

Please take note of the section 'General Information' at the end of the English section in this booklet.

Interference
The Department of Trade and Industry operates a Radio interference investigation Service to help TV licence holders improve reception of BBC and IBA programmes where they are being spoilt by interference. If your dealer cannot help, ask at a main Post Office for the booklet "How to Improve Television and Radio Reception".

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Introduction

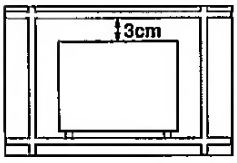
If you follow these operating instructions you will quickly learn how to adjust and operate all the functions of your new TV; but always read and perform the instructions in the sequence shown.

TV - Indicates actions that are performed using the TV buttons or sockets.

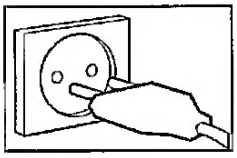
The drawings in the text are accompanied by figures. These correspond to the figures on the fold-out flap.

- Indicetes ections that are performed using the remote control hendset.

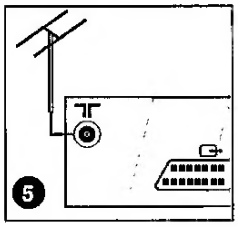
Installing the TV



TV To install the TV
- Remove any packaging from the TV.
- Find the remote control handset within the packaging.
- Place the TV on a solid base (e.g. a TV/video cabinet).
- Leave at least 3 cm around each side of the TV for ventilation.

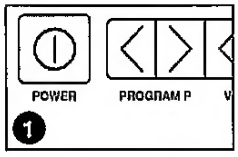


TV To connect the TV
IMPORTANT: The TV is only suitable for a mains voltage of 220/240 V ~, 50 Hz (Consult your dealer if the mains supply is different).
- Connect the TV to the mains supply socket.

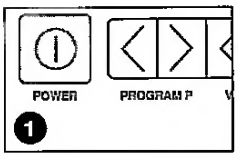


- Connect the aerial plug to the socket located at the back of the TV.

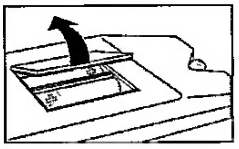
- Make sure that all cables connected to the TV are positioned safely



TV To switch the TV on
- Press the ⏻ power button located on the front of the TV.
- If the GREEN colour is displayed on the lamp located below the screen then the TV is switched on.
- If the RED colour is displayed on the lamp located below the screen then you must press the < P or >P program button. The TV will then switch on and the GREEN colour will be displayed on the lamp (for further information refer to the section to switch on the TV from stand-by mode').



TV To switch the TV off
- Press the ⏻ power button located on the front of the TV.
(if you want to switch off the TV temporarily refer to the section 'to select stand-by mode').



To insert batteries in the remote control handset
- Remove the battery cover located on the back of the remote control handset.
- Insert the two betteries supplied (type LR03 1.5V).
- Replace the battery cover.

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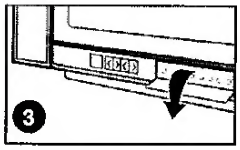
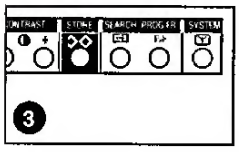
Adjusting the TV



The control buttons needed to select the TV system and store the TV stations are located beneath the control-panel flap on the front of the TV. You must pull this flap forward to access the control buttons during installation and can close it once any required changes have been made.

- Open the control panel-flap on the front of the TV.

To select the TV system (P/S, PAL-I, SECAM)
(This information only applies if your TV can receive several TV systems).

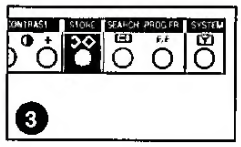


- Press the button to select the available systems.

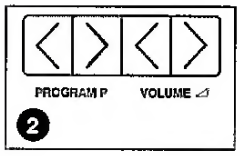
If P/S is displayed on the screen then you have selected the PAL or SECAM B + G system.
If PAL-I is displayed on the screen then you have selected the PAL-I system. If SECAM is displayed on the screen then you have selected the SECAM L system.

- To change your selection press the button again, until the system you require is displayed on the screen.

To store TV stations on program numbers
(Upto 60 TV stations can be stored on program number using the following method.)



1. Press the ◇◇ button, so that information is displayed on the screen about the current program number.
2. Press the button so the TV **automatically** searches until a TV station is found and displayed on the screen. Press this button again if you want to continue searching.



3. Select the required program number (0 to 59) by pressing the < P or > P program button. The selected program number is displayed on the screen.

4. Press the ◇◇ button to store this selection. The program number information is now removed from the screen.

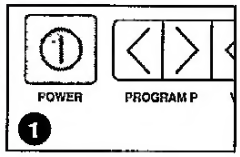
Repeat steps 1 to 4 until all the TV stations you require have been stored on program numbers.

- Close the control-panel flap on the front of the TV.

note: You can write your TV station selections in the teble proved in the inside cover.

Operating the TV

You can now operate your TV either using the remote control handset or directly using the buttons.

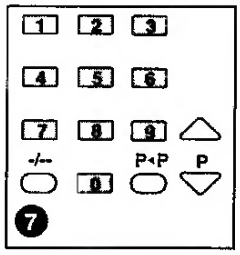


- Switch on the TV by pressing the ⏻ power button located on the front of the TV.

To select TV stations using program numbers

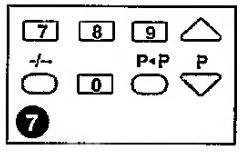
After the TV is switched on:

To select TV stations using program number 0 to 9



- Press the appropriate **digit** button on the remote control handset. The selected program number end TV station now appear on the screen.
- Press a different **digit** button to make another selection.

To select TV stations using program number 10 to 59



- Press the -/-- button.

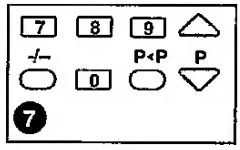
P-- is displayed on the screen.

- Press two appropriate **digit** button.

The selected program number and TV station now appear on the screen.

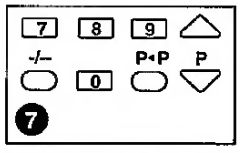
- Repeat the above procedure to make another two-digit program selection.

To select a lower or higher program number



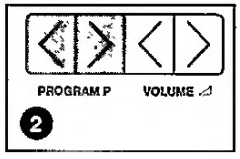
- Press the ▽ P button to select a **lower** program number.
- Press the △ P button to select a **higher** program number.

To select the previously used program number



- Press the **P◂P** button to select the previous program number.

To select TV stations using the TV buttons



- Press the < P program button to select a **lower** program number.
- Press the > P program button to select a **higher** program number.

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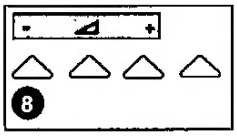
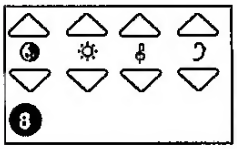
Operating the TV

To change the picture and sound settings
(When the TV is first switched on the picture and sound settings are always at preferred of 'personal preference' values).

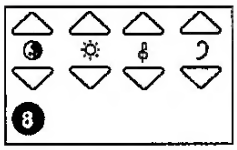
Sound settings
To change the volume (⊿)
- Press the - button to decease the volume.
- Press the + button to increase the volume.



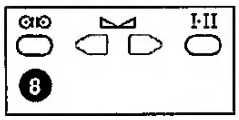
To change the treble setting (𝄞)
- Press the △ button to increase the amount treble in the sound.
- Press the ▽ button to decrease the amount of treble in the sound.



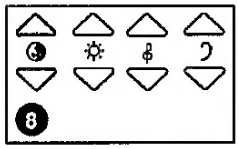
To change the bass setting (𝄢)
- Press the △ button to increase the amount of bass in the sound.
- Press the ▽ button to decrease the amount of bass in the sound.



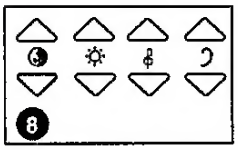
To change the balance of the sound (◺⊿)
- Press the ◁ button to increase the sound directed to the left loudspeaker.
- Press the ▷ button to increase the sound directed to the right loudspeaker.



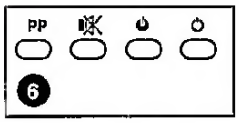
Picture settings
To change the colour intensity (◍)
- Press the △ button to increase the colour intensity.
- Press the ▽ button to decrease the colour intensity.



To change the brightness (☼)
- Press the △ button to increase the brightness.
- Press the ▽ button to decrease the brightness.

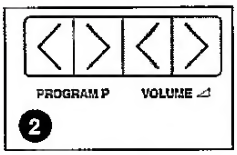


To return to the personal preference settings
- Press the **PP** button.

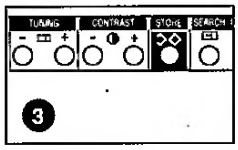


TV To change the picture end sound settings using the TV buttons

To change the volume of the sound (⊿)
- Press the 〉button to increase the volume.
- Press the 〈button to decrease the volume.

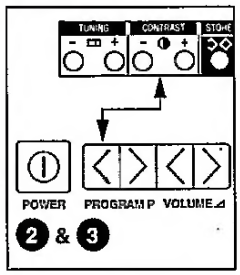


To change the contrast of the picture (◑)
- Open the control-panel flap on the TV.
- Press the + button to increase the amount of contrast.
- Press the - button to decrease the amount of contrast.
- Close the control-panel flap on the TV.



TV and ⏻ To select protected switch on mode
(Sometimes you may went to prevent other people switching on your TV when you ere not present.)

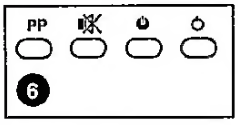
- Open the control panel flap on the TV
- Press the 〈 **P** and - ◑contrast button simultaneously, with the TV switched on.
The TV then switches off, and the RED colour is displayed on the lamp located below the screen.



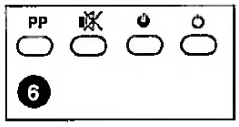
- Close the control-panel flap on the TV.
- The TV can now **only** be switched on by pressing a **digit** button on the remote control handset (which you can put away safely until you want to use the TV again).

⏻ To select stand-by mode
The TV can be put into stand-by mode in **three** ways:

1. Directly
- Press the ⏻ button. The RED colour is displayed on the lamp located below the screen, and the TV is put into stand-by mode.



2. Using the timer
(With this method you can select a time period after which the TV switches to stand-by mode)
- Press the ⏻ until the required time period is displayed on the screen (the time period can be set in steps of 15 minutes from 90 minutes downwards).



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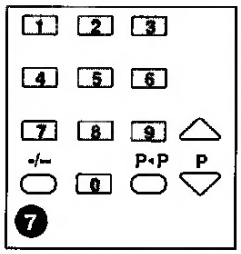
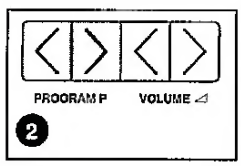
Operating the TV

During the final minute of the selected time period, '01' is displayed on the screen informing you that the TV is going to switch to stand-by mode. At the end of this time period the TV switches to stand-by mode and the RED colour is displayed on the lamp located below the screen.

3. Automatically
Approximately 15 minutes after a TV station stops broadcasting ('closedown') then the TV switches itself automatically to stand-by mode.

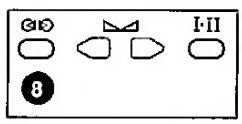




TV or To switch on the TV from stand-by mode
- Press a digit button on the remote control handset so that a program number is selected.

or,
- Press the 〈 P or 〉 P button located on the front of the TV.

The RED colour lamp (located below the screen) changes to GREEN when the TV is switched on from stand-by mode.

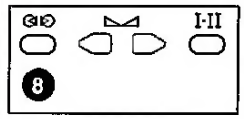


TV To select the sound system
There are three sound system possibilities:

1. DUAL sound
This means that if DUAL I is displayed on the screen that a TV broadcast is being transmitted in two languages.

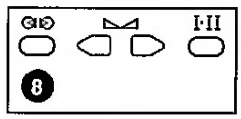
To select the second language
- Press the I-II button to hear the second language. DUAL II is then displayed on the screen.
- Press the I-II button again to return to the original language broadcast. (DUAL I is again displayed on the screen.)

2. STEREO sound
This means that if STEREO is displayed in GREEN on the screen that the TV broadcast is being transmitted with stereo sound.

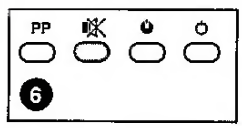


To select MONO sound (when the TV broadcast is in stereo)
- Press the I-II button. STEREO is displayed in RED on the screen (the sound is now MONO).
- Press the I-II button again to return to the original stereo sound broadcast STEREO is again displayed in GREEN on the screen.

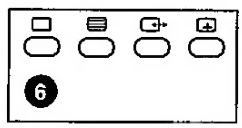
3. SPATIAL sound
This special sound effect can be used to change the sound-quality of a TV broadcast.



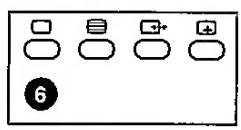
To select SPATIAL sound
- Press the button to hear the spatial sound effect.
is displayed on the screen.
- Press the button again to switch off the spatial sound effect.
is removed from the screen.



To switch off the sound
- Press the button to switch off ('mute') the sound.
is displayed on the screen.
- Press the button again to switch the sound on.
is removed from the screen.



To display picture and sound information
(The 'On-Screen-Display' allows you to see the information stored for a particular program number and TV station).
- Press the button to display the information on the screen.
- Press the button again to switch off the information display.



To display additional picture end sound information
To display additional picture and sound information
- Press and continue to hold the button until additional information is displayed on the screen.

If you now make changes to the picture and sound using the appropriate buttons, then a **moving bar** is displayed which represents these changes as they are being made.

- Press the button again to switch off the additional information display.

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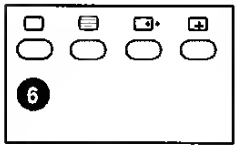
Additional features

(This information only applies if your TV is able to receive Teletext.)

Teletext - is an information system that displays text on your TV screen. Using the Teletext information system you can select a page of information on a subject that is available in its list of contents (index).

To operate Teletext

- Select a TV station on which Teletext is being transmitted (check with a TV programme guide).
- Press the button. Usually the list of contents (index) is displayed on the screen.

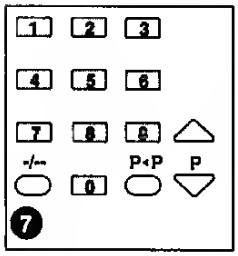


The following procedures apply only after Teletext has been selected:

To select a page of Teletext

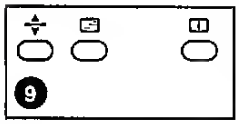
- Press the appropriate digit buttons for the required Teletext page number.

The selected page number is displayed at the top left corner of the screen. The Teletext page counter searches until the selected page number is displayed on the screen.



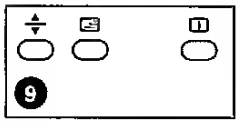
The return to the index page

- Press the button to directly select the index page.
- Alternatively select the page number of the index (e.g. page 100).



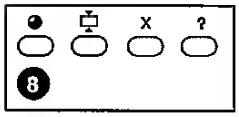
To select Teletext with a TV programme

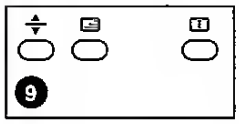
- Press the button. The text is now superimposed over the TV programme on the screen.
- Press the button again to return to the Teletext page.



To switch between Teletext and the TV programme

- Press the **X** button. The TV programme appears, and is displayed in the top left corner of the screen.
- Press the **X** button again to return to the Teletext page.





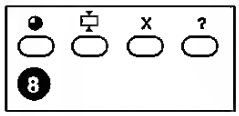
To select double height text

- Press the button for the top half of the information page to be displayed in double height text.
- Press the button for the bottom half of the information page to be displayed in double height text.
- Press the button again for the full page of normal height text.

To reveal 'concealed' information

(Sometimes a Teletext page contains concealed information, for example in a quiz or puzzle.)

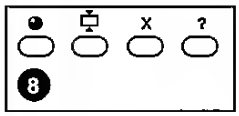
- Press the **?** button. The concealed information is then displayed on the screen.
- Press the **?** button again so that the concealed information is removed from the display.



To stop an automatic page-change

(More information may follow the page of Teletext you have selected; and it is automatically displayed after a short period of time).

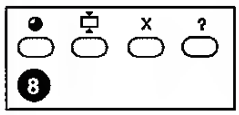
- Press the button to stop the automatic page-change.
- Press the button again so that the next page of text can be displayed.



To select a time-planned page

(You can select a page of Teletext information which can then be displayed on the TV screen at a certain time.)

- Select the required Teletext page.
- Press the button.
- Select the required time by pressing four digit buttons (e.g. 20.10).
- Press the **X** button to return to a previously selected TV programme.

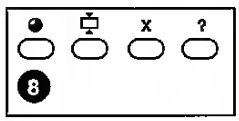


When the selected time is reached:

either,

The required Teletext page is superimposed over the TV programme.

- Press the **X** button to remove the TV programme from the screen.



or,

The time is displayed in the top right corner of the screen.

- Press the **X** button to display the Teletext page on the screen.
- Press the button to cancel this 'time-planned page' selection.

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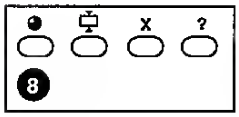
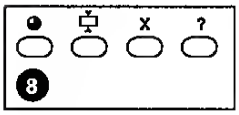
Additional features



To select e subcode pege
(Subcode pages are sub-sections of long teletext pages that can only be displayed on the screen one section at a time.)
- Select the required Teletext page.
- Press the ◕ button.
- Press the digit button (for the required subcode page).
- If the subcode page is not immediately available then press the **X** button to return to the TV programme. When the subcode page becomes available the subcode number is displayed in the top left corner of the screen.

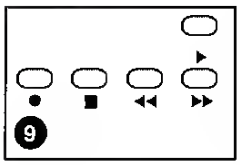


- Press the **X** button to display the subcode page.

note: Time-planned and subcode pages are only available with certain pages on some Teletext broadcasts.

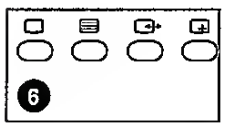
To select a Teletext subtitled TV programme
Subtitles can only be displayed on the screen if the TV station adds this fecility to the TV programme - check with a TV programme guide.)
- Select the Teletext page indicated in the TV programme guide.

The TV programme with subtitles now appears on the TV screen.

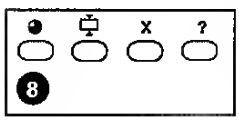


To 'fast' select Teletext pages
(Sometimes a page of Teletext information can be selected quickly.)
- The next sequential page of Teletext information can be selected by pressing the RED button (e.g. page 101 can be selected after page 100).

or,
The subject-heading for the information may have a particular colour, or can be placed inside a coloured box.
- Press an appropriate RED, GREEN, YELLOW or BLUE button.

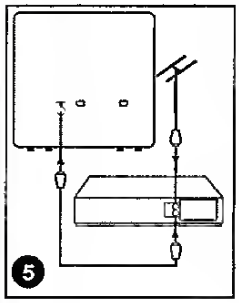


To exit Teletext
- Press the ▭ button. The previously selected TV station eppears again on the screen.



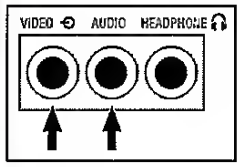
To display the time
- Press the ◕ button. The current time is displayed in the top right corner of the screen. (e.g. 21.00).
- Press the ◕ button again to remove the time display.

note: The time can only be displayed when Teletext is available on the selected TV station.

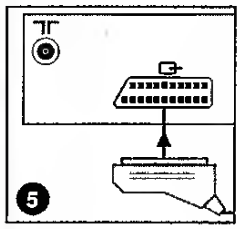


To connect a video recorder
(First you must refer to the operating manual supplied with your video recorder for connection details.)

- Switch off the TV before connecting the video recorder.
- Connect the TV aerial cable to the ⊤ input on the video recorder.
- Connect one side of the cable supplied with the video recorder to the TV output of the video recorder and the other side of the cable to the ⊤ input of the TV.



Additionally,
- A video recorder or camcorder can be connected at the video/audio input sockets (cinch type) at the front of the TV for 'playback' of tepes only.



or,
- The video recorder can also be connected at the Euroconnector socket at the back of the TV (a support-bracket is also provided for the Euroconnector cable on the back of the TV). The Euroconnector gives the advantage of stereo sound reproduction from a suitable video recorder.

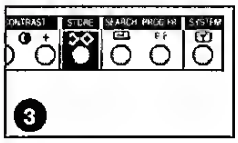
note: To obtain an optimal sound and picture signal we advise that you do not connect the video/audio input sockets and the Euroconnector simultaneously.

To store the video recorder signal on a program number

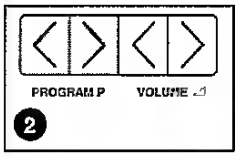
- Switch on the TV.
- Open the control-panel flap on the TV.

1. Insert a pre-recorded tape in the video recorder, and press the 'PLAY' button on the video recorder.

2. Press the ◇◇ button so that the program number information is displayed.



3. Press the button so that the TV automatically searches for the video signal. If necessary press this button again until the video signal is located.



4. Select an available program number by pressing the < P or > P program button on the TV.
5. Press the ◇◇ button to store the video signal on the selected program number.
6. Press the 'STOP" button on the video recorder.

- Close the control-panel flap on the TV.

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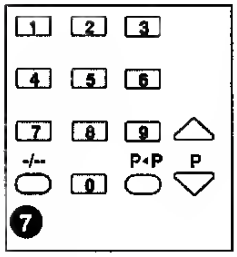
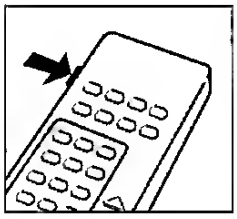
Additional features



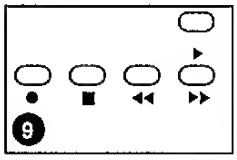
To select the program number for the video recorder signal
- Press the appropriate digit button (for the program number on which the video signal has been stored).
- To return to normal TV operation press another digit button to select a TV station.

If the Euroconnector or video/audio input sockets are used then refer to the section 'to select the device signal'.



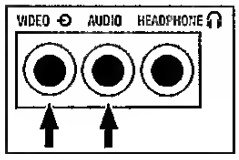
To operate a video recorder using the remote control handset
(The following information only applies if your video recorder uses the RC5 system for the remote control handset.)

- Press and continue to hold the button located on the side of the remote control handset before selecting any of the following functions:



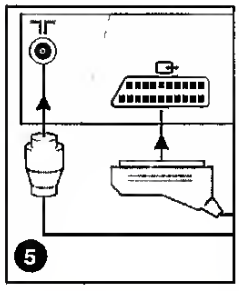
- Press the ▶ button to 'PLAY' the video cassette.
- Press the ● button to 'RECORD' on the video cassette.
- Press the ■ button to 'STOP' the video cassette.
- Press the ◀◀ button to 'REWIND' the video cassette.
- Press the ▶▶ button to 'FAST FORWARD' the video cassette.

To connect other devices
e.g. computer, TV game, LaserVision player.
(First you must refer to the operating manual supplied with the device.)

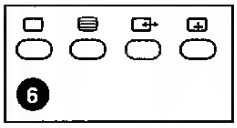


either,
A device with video (CVBS) output can be connected to the video/audio input sockets located on the front of the TV.

or,



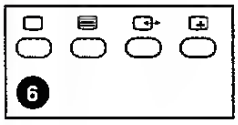
A device with a Euroconnector can be connected to the Euroconnector socket located at the back of the TV (a support bracket is provided for the Euroconnector cable on the back of the TV).
or,
A device can be connected to the ⊤ socket located at the back of the TV.
- Switch off the TV.
- Connect the device.



To select the device signal
- Switch on the TV.

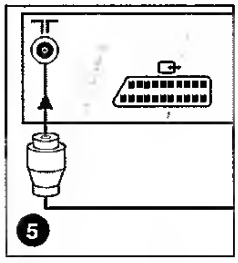
If the video/audio input sockets are used then:
- Press the ⊡→ button so that the device signal is received and EXT 1 or EXT 2 mode:
- Press the ⊡→ button so that EXT 1 is displayed on the screen.

or,
- Press the ⊡→ button again so that EXT 2 is displayed on the screen.

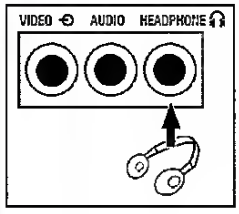


- To return to TV operation press the ▢ button.

note: Certain devices connected to the Euro-connector socket will automatically switch the TV to receive the external signal.



If the ⊤ socket is used then the signal must be stored on a program number before it can be selected (refer to the section 'to store the video recorder signal on a program number').



To connect headphones
(The headphones used must be 8 to 1000 ohm, and 6.3 mm in diameter.)
- Connect the headphones jack-plug to the 🎧 socket located on the front of the TV.

note: the loudspeakers are switched off automatically when the headphones are connected.

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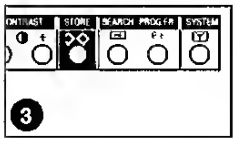
General information

TV and To store TV stations directly
(First you must know the trequency on which the TV station is being transmitted.)

- Open the control-panel flap on the TV.

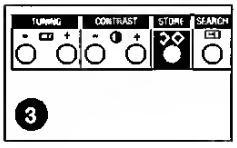


1. Press the P/F button to switch to frequency setting.
2. Select the frequency using three digit buttons on the remote control handset (e.g. to select channel E4; the digit buttons 062 must be pressed, and to select channel 69; the digit buttons 855 must be pressed).
3. Press the ◇◇ button to display the program number information.
4. Select a program number using the digit buttons on the remote control handset.
5. Press the ◇◇ button to store these changes.
6. Press the P/F button to switch to program number setting.

- Close the control-panel flep on the TV.

TV To fine tune the picture quality
(The picture from a TV station or a device such as a video recorder may be affected by interference, e.g. from other strong signal sources.)

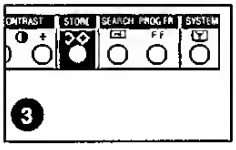
The picture quality may be improved using the following method:
- Open the control-panel flap on the TV.



1. Press the ◇◇ button to display the program number information.
2. Press the −□ or +□ button, end release it immediately, so that the picture is fine tuned.
3. Press the ◇◇ button to store these changes.
- Close the control-panel flap on the TV.

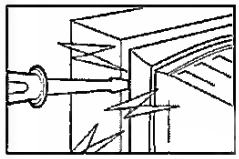
TV and To change the personal preference (PP) values

- Open the control-panel flap on the TV.



- Press the ◇◇ button on the TV to display the program number information.
- Change the picture and sound settings (e.g.volume, contrast) using the remote control handset or TV controls.
- Press the ◇◇ button on the TV to store these changes. The program number information is now removed from the screen.
- Close the control panel flap on the TV.

TV To clean the TV screen
- It is possible to clean the TV screen using a slightly damp chamois leather. Never use aggressive cleaning agents.



Fault indication
IMPORTANT: Never attempt to repair a broken TV yourself; always consult a skilled TV service engineer.

If the TV does not give the desired picture or sound quality after switching on then check that:
- the aerial is connected properly.
- all controls and buttons are selected correctly.
- the selected TV station is no 'closed-down'.
- the TV is not incorrectly switched to EXT 1 or EXT 2.
- the sound is switched on (not 'muted').

switch off the TV if:
- Indications F0, F1, F2, F3, F4, F5, F6, or F7 are displayed on the screen.
- a bright white line is displayed across the screen.

Technical specification
Frequency ranges (depending on model supplied): refer to the table of TV system frequencies.
Selectable program numbers (for TV stations and devices): 60
Selectable TV systems (depending on model supplied): PAL-I, SECAM L, SECAM B+G, PAL B+G
Tuning the control system: PLL (phase locked loop)
Remote control received type: RC5
Sound reception: MONO/STEREO/DUAL
Connectors: Euroconnector, video/audio (cinch type), headphones (6.3 mm).
Safety: IEC 65
Voltage requirements: 220/240 V ~ ± 10%, 50 Hz

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GR		

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